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PATENT

Attorney Docket No.: 019930-002830

Client Reference No.: A1297 D3

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

By: 

Aurora Lowell

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

David Miller, et al.

Application No.: Not Yet Assigned

Filed: Herewith

For: SYSTEMS AND METHODS FOR  
OVERCOMING STICTION

Examiner: Not Yet Assigned

Art Unit: Not Yes Assigned

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. This application is a divisional application of and relies on U.S. Appl. No. 10/087,040, filed February 28, 2002 (the "parent application") for an effective filing under 35 U.S.C. § 120. All of the references were submitted to or cited by the U.S. Patent and Trademark Office in the parent application. Therefore, pursuant to 37 CFR § 1.98(d), copies of the references are not enclosed. It is respectfully requested that the cited references be

expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

A handwritten signature in black ink, appearing to be "IEB", with a long horizontal line extending to the right.

Irvin E. Branch  
Reg. No. 42,358

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60087187 v1

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	Not Yet Assigned	
			Filing Date	Herewith	
			First Named Inventor	Miller, David	
			Art Unit	Not Yet Assigned	
Examiner Name	Not Yet Assigned				
Attorney Docket Number	019930-002830				
Sheet	1	of	3		

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	AA	5,414,540	05/09/95	Patel et al.	
	AB	5,917,625	06/29/99	Ogusu et al.	
	AC	5,999,672	12/07/99	Hunter et al.	
	AD	6,028,689	02/22/00	Michalicek et al.	
	AE	6,040,935	03/21/00	Michalicek	
	AF	6,097,859	08/01/00	Solgaard`	
	AG	6,108,471	08/22/00	Zhang et al.	
	AH	6,128,122	10/03/00	Drake et al.	
	AI	09/442,061	11/16/99	Weverka, et al.	
	AJ	US-			
	AK	US-			
	AL	US-			
	AM	US-			
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	AQ	US-			
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	AU							<input type="checkbox"/>
	AV							<input type="checkbox"/>
	AW							<input type="checkbox"/>
	AX							<input type="checkbox"/>
	AY							<input type="checkbox"/>
	AZ							<input type="checkbox"/>
	BA							<input type="checkbox"/>
	BB							<input type="checkbox"/>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	Not Yet Assigned
				Filing Date	Herewith
				First Named Inventor	Miller, David
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	2	of	3	Attorney Docket Number	019930-002830

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BC	T. Akiyama, et al.; "Controlled Stepwise Motion in Polysilicon Microstructures," Journal of Microelectromechanical Systems, Vol. 2, No. 3, September 1993; pp.106-110	
	BD	Kenneth Bean, et al., "Anisotropic Etching of Silicon," IEEE Transactions on Electron Devices, Vol. Ed-25, No. 10, October 1978	
	BE	Dino R. Ciarlo, "A latching accelerometer fabricated by the anisotropic etching of (110) oriented silicon wafers," Lawrence Livermore Nat'l Laboratory, March 1, 1992	
	BF	A.S. Dewa, et al., "Development of a Silicon Two-Axis Micromirror for an Optical Cross-Connect," Solid State Sensors and Actuators Workshop, Hilton Head, South Carolina, pp. 93-96	
	BG	Joseph Ford et al., "Wavelength Add Drop Switching Using Tilting Micromirrors," Journal of Lightwave Technology, Vol. 17, No. 5, May 1999	
	BH	J. Grade et al., "A Large-Deflection Electrostatic Actuator for Optical Switching Applications, Solid-State Sensor and Actuator Workshop, Hilton Head Island, South Carolina, June 4-8, 2000; pp. 97-100	
	BI	V. Kaajakari et al.; "Ultrasonic Actuation for MEMS Dormancy-Related Stiction Reduction," In MEMS Reliability for Critical Applications, Proceedings of SAPIE Vol. 4180 (2000); pp. 60-65	
	BJ	T.L. Koch et al., "Anisotropically etched deep gratings for InP/InGaAsP optical devices," J.App. Phys. 62 (8), 15 October 1987	
	BK	I. Nishi et al., "Broad-Passband-Width Optical Filter for Multi-Demultiplexer Using a Diffraction Grating and a Retroreflector Prism," Electronics Letters, Vol. 21, No. 10, 9 <sup>th</sup> May 1985	
	BL	P. Phillippe et al., "Wavelength demultiplexer: using echelette gratings on silicon substrate," Applied Optics, Vol. 24, No. 7, 1 April 1985	
	BM	M. Schilling et al., "Deformation-free overgrowth of reactive ion beam etched submicron structures in InP by liquid phase epitaxy," Appl. Phys. Lett. 49 (12), 22 September 1986	
	BN	Z. J. Sun et al., Demultiplexer with 120 channels and 0.29-nm Channel Spacing," IEEE Photonics Technology Letters, Vol. 10, No. 1, January 1998	
	BO	W. Tang, et al., "Electrostatically Balanced Comb Drive for Controlled Levitation," Reprinted from Technical Digest IEEE Solid-State Sensor and Actuator Workshop, June 1990; pp. 198-202	
	BP	L. Torcheux et al., "Electrochemical Coupling Effects on the Corrosion of Silicon Samples in HF Solutions," J. Electrochem.Soc., Vol. 142, No. 6, June 1995	
Examiner Signature			Date Considered

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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				Examiner Name	Not Yet Assigned
Sheet	3	of	3	Attorney Docket Number	019930-002830

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		P. VanKessel et al., "A MEMS-Based Projection Display," Proceedings of the IEEE, Vol. 86, No. 8, August 1998; pp. 1687-1704	
		Microfabricated Silicon High Aspect Ratio Flexures for In-Plane Motion; dissertation by C. Keller, Fall 1998	
		Gimballed Electrostatic Microactuators with Embedded Interconnects; dissertation by L. Muller; Spring 2000	

Examiner Signature		Date Considered	
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